



Planning, Building and Development

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Annual Evaluation Report for
County-Wide All Natural Hazards Mitigation Plan
For Unincorporated Lake County, Illinois

Prepared By: Lake County Planning, Building and Development Department

Prepared For: Lake County Planning, Building and Zoning Committee

September 29, 2009

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INTRODUCTION

The Annual Evaluation Report assesses the implementation of goals described in the original County-Wide All Natural Hazard Mitigation Plan for Lake County, Illinois, prepared in 2006, within Unincorporated Lake County, Illinois.

The Annual Evaluation Report for the All Natural Hazard Mitigation Plan within Unincorporated Lake County, Illinois was prepared by the Lake County Planning, Building and Development Department. The Annual Evaluation Report was submitted to the Lake County Planning, Building and Zoning Committee on September 29, 2009, and a Lake County Press Release was released concurrently. The original County-Wide All Natural Hazards Mitigation Plan is available on the Lake County website at <http://www.lakecountyil.gov/Stormwater/FloodInformation/FloodHazardMitigation/ANHMP.htm>, and the Annual Evaluation Report for the All Natural Hazards Mitigation Plan within Unincorporated Lake County is available on the Lake County website at <http://www.lakecountyil.gov/Planning/publications/ReportsandStudies.htm>.

GOAL ASSESSMENT

Public Outreach

The Lake County Planning, Building and Development Department prepares an annual Repetitive Loss Area Mailing, which targets Repetitive Loss Properties and their surrounding repetitive loss area, and offers information on preparing for flooding, permanent flood protection measures, financial assistance, and flood insurance.

Remove High Risk Structures from Floodplain or Protect High Risk Structures

The Lake County Planning, Building and Development Department has approved eight (8) permitted projects as removing structures from the regulatory floodplain and bringing these structures into compliance with the current Lake County Unified Development Ordinance in 2009.

The Lake County Stormwater Management Commission has applied for and received funds to purchase eleven (11) repetitively flooded properties throughout Lake County in 2009. These include properties located in unincorporated Shields Township, unincorporated Wauconda Township and unincorporated Ela Township.

Mitigate All Repetitive Loss Structures Identified by FEMA

One repetitive loss structure was elevated above the base flood elevation on a flow-through foundation in 2009 within Unincorporated Lake County; the residence at 25871 W. Cook Avenue, Antioch IL 60002 has been removed from the special flood hazard area.

No other repetitive loss structures were removed from the floodplain due to budget constraints and lack of interest from local residents.

Improve Capacity of Drainage Systems

The Lake County Planning, Building and Development Department implements a Drainage Improvement Fund within Unincorporated Lake County, Illinois. The purpose of the Drainage Improvement Fund is to improve the capacity of drainage systems. The following projects were funded by the Lake County Planning, Building and Development Department Drainage Improvement Fund in 2009 with the intent to improve capacity of drainage systems:

- Installation of three (3) new storm sewer systems, including 1,000-feet of 36-inch storm sewer, 1,200-feet of various storm sewer sizes, and 300-feet of 12-inch storm sewer
- Repair of existing drainage tiles in four (4) separate projects, including 50-feet of 12-inch and 24-inch drain tile to facilitate draining approximately 6,000-feet of tile, 400-feet of 10-inch drain tile to connect to segments of drain tile, 100-feet of 12-inch drain tile under a state highway, and 100-feet of 10-inch drain tile to facilitate drainage
- Repair of failed storm sewer at a detention basin outfall, approximately 50-feet of 36-inch storm sewer was replaced

Acquire Properties in Flood-Prone Areas

The Lake County Stormwater Management Commission has applied for and received funds to purchase eleven (11) repetitively flooded properties throughout Lake County. These include properties located in unincorporated Shields Township, unincorporated Wauconda Township and unincorporated Ellettsburg Township.

Implement Maintenance Programs for Drainage Systems

The Lake County Planning, Building and Development Department enforces the Lake County Unified Development Ordinance (UDO) when reviewing and approving development plans; the UDO requires all new drainage systems be maintained within drainage easements by a designated responsible party, and a Stormwater Management, Monitoring, and Maintenance Plan is required for systems involving a detention basin.

In 2009, the Planning, Building and Development Department Drainage Improvement Fund has shared funding for the installation of native plantings along the shoreline of a channel to Lake Antioch, and the native area will be maintained by the Friends of Lake Antioch Association.

Reduce Inflow and Infiltration and Sewer Backups

The Lake County Public Works Department is committed to reducing sanitary sewer inflow and infiltration and sewer backups and completed an infiltration and inflow investigation for a subdivision in Unincorporated Lake County, Illinois in 2008. Approximately 30 downspouts and improvised “yard inlets” were disconnected from sanitary sewer in Unincorporated Lake County, Illinois in 2008. Current investigations for inflow and infiltration reduction projects are focused on incorporated areas in 2009, but the Lake County Public Works Department will continue to maintain the sanitary sewer system as necessary.

Maintain Compliance with NFIP

The Lake County Planning, Building and Development Department has maintained its status as a National Flood Insurance Program (NFIP) Community, and has attained the status of a Class 7 Community in the NFIP Community Rating System.

RECOMMENDATIONS AND REVISIONS

The Lake County Planning, Building and Development Department will continue to maintain Community Rating System status and will continue to work to reduce flood damages within Unincorporated Lake County, Illinois through the implementation of the Drainage Improvement Fund, enforcement of floodplain regulations on individual permits, and completion of public outreach projects. Lake County Public Works will continue to monitor sanitary sewer infrastructure and will work to address inflow and infiltration and sewer backups. The Lake County Stormwater Management Commission plans to pursue funding on an annual basis to continue to purchase floodprone properties throughout the county.